

1. Middle Bellflower Aquitard

The Middle Bellflower Aquitard is a massive, light yellowish brown, fine to medium sand with local muddy zones. An extensive mud layer referred to as the Middle Bellflower mud (MBFM) locally interrupts this sand. Where divided, the top sand subunits are referred to as the B-Sand (MBFB) and the bottom sand subunits are referred to as the C-Sand (MBFC). The MBFM is discontinuous across the area and is comprised of laminated silts and layered silts and very fine sands.

a. *B-Sand (MBFB)*

The B-Sand is found at an approximate depth of 30 feet bgs at the Site and is generally from 25 to 60 feet thick. The B-Sand is found at different depths across the Site ranging from an approximate minimum depth of 30 feet bgs to an approximate maximum depth of 90 feet bgs. The B-Sand predominantly consists of interbedded fine sands and silts. Groundwater flow within the B-Sand is predominantly to the south.

The uppermost groundwater at the Site occurs within the B-Sand at depths of 60 to 70 feet bgs. Most of the groundwater monitoring wells at the Site are completed within the B-Sand. Table 1 includes groundwater monitoring well completion information.

b. *C-Sand (MBFC)*

The C-Sand is found at an approximate depth of 75 to 90 feet bgs at the Site and extends to a depth of up to approximately 125 feet bgs. The C-Sand predominantly consists of interbedded medium to fine sands. Groundwater flow within the C-Sand is believed to be to the southeast (Kennedy Jenks Consultants, 2000a). Only one well (WCC-3D) is completed within the C-Sand at the Site.

2. Lower Bellflower Aquitard (LBF)

The fine-grained Lower Bellflower Aquitard (LBF) appears to be continuous across the area. It occurs at an approximate depth of 110 to 125 feet bgs and ranges in thickness from 10 to 25 feet. The LBF separates the Bellflower sands from the underlying Gage Aquifer. The Gage Aquifer in the Site vicinity is predominantly sand and ranges in thickness from 40 to 78 feet thick. No groundwater monitoring wells have been drilled into the LBF or Gage Aquifer at the Site.